C2W EXPLOIT

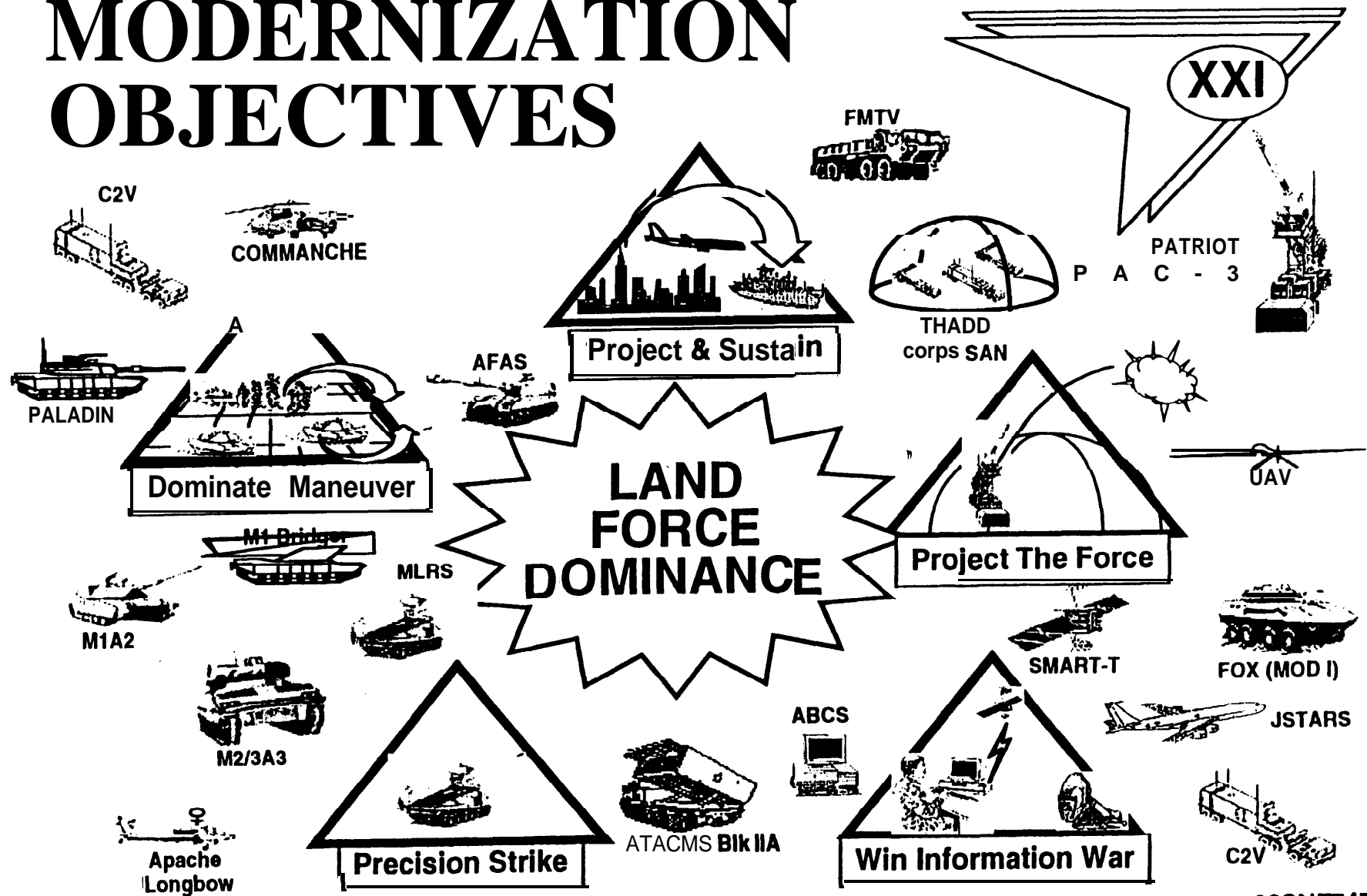# Form SF298 Citation Data

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ARMY MODERNIZATION OBJECTIVES

FORCE

XXI

C2V

COMMANCHE

PALADIN

A

Dominate Maneuver

M1 Bridger

M1A2

M2/3A3

Apache Longbow

AFAS

FMTV

Project & Sustain

MLRS

Precision Strike

ATACMS **Blk IIA**

THADD
corps SAN

LAND FORCE DOMINANCE

PATRIOT
P A C - 3

UAV

Project The Force

SMART-T

FOX (MOD I)

ABCS

JSTARS

Win Information War

C2V

02SNF747 2

REPORT DOCUMENTATION PAGE

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13. ABSTRACT *(Maximum 200 Words)*
This U.S. Army briefing describes the new Army doctrine and the needed intelligence requirments that must be met to be able to effective contuct Information Warfare (IW) operations supporting that doctrine in the future. It discusses briefly the new ways that information is transmitted and the difficulty of attacking that information. The briefing focuses on IW exploitation in support of future Army operations.

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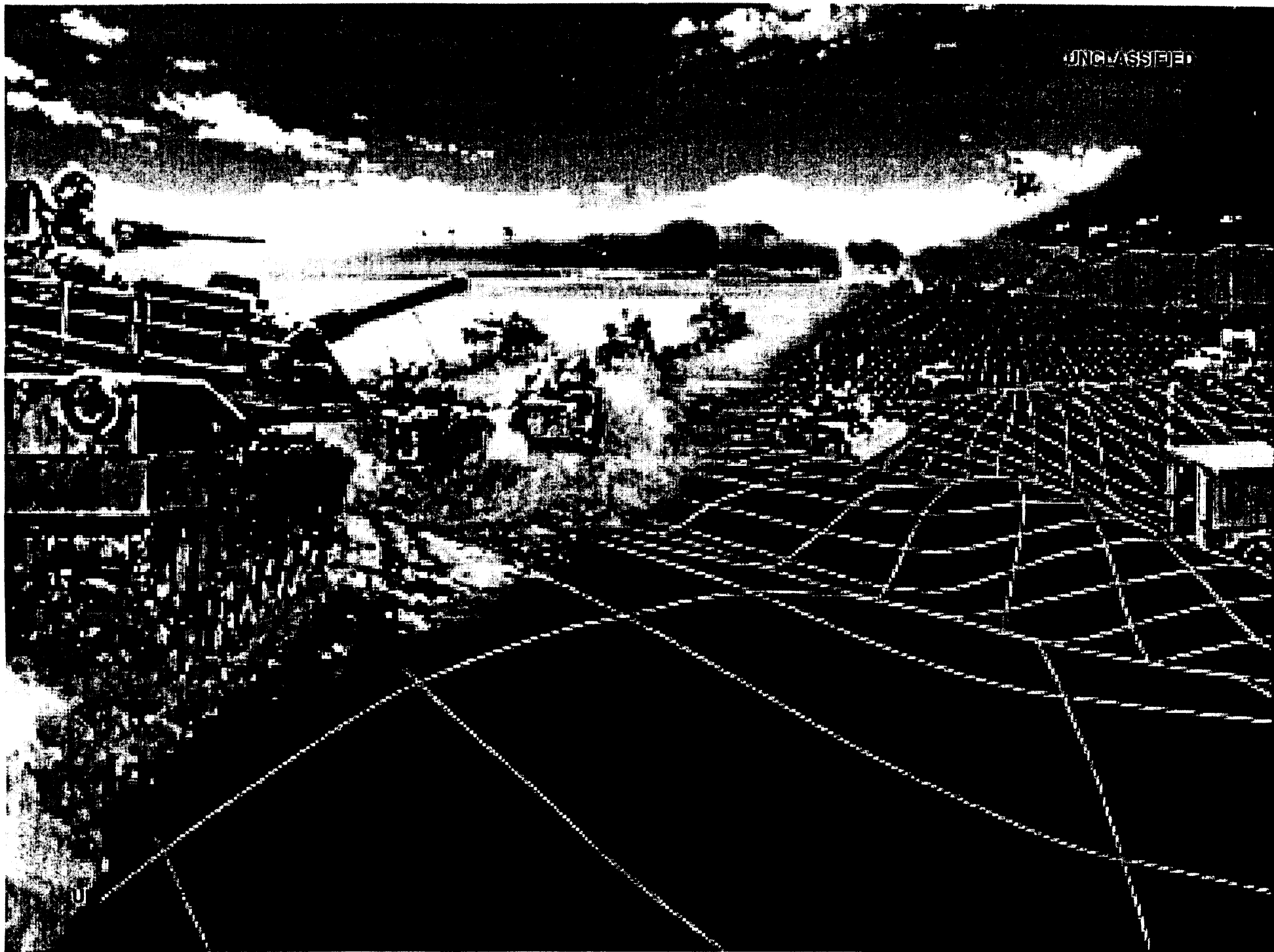| 17. SECURITY CLASSIFICATION OF REPORT Unclassified	18. SECURITY CLASSIFICATION OF THIS PAGE UNCLASSIFIED	19. SECURITY CLASSIFICATION OF ABSTRACT UNCLASSIFIED	20. LIMITATION OF ABSTRACT None

CHALLENGE

CHANGE THE WAY YOU _THINK_

...UNFORTUNATELY

WHEN YOU'RE/-, <u>THINKING</u> YOU DON'T LOOK BUSY!

U

IW Exploit

IMINT

HUMINT

SIGINT

MASINT

INTEL PRODUCTS

TECHINT

CI/OPSEC

ATTACK

"HACKER"

Challenge

ESM → EW

EW → OFFENSIVE

EW → DEFENSIVE

DIFFERENCE IS IN FOCUS

IW EXPLOIT → IW

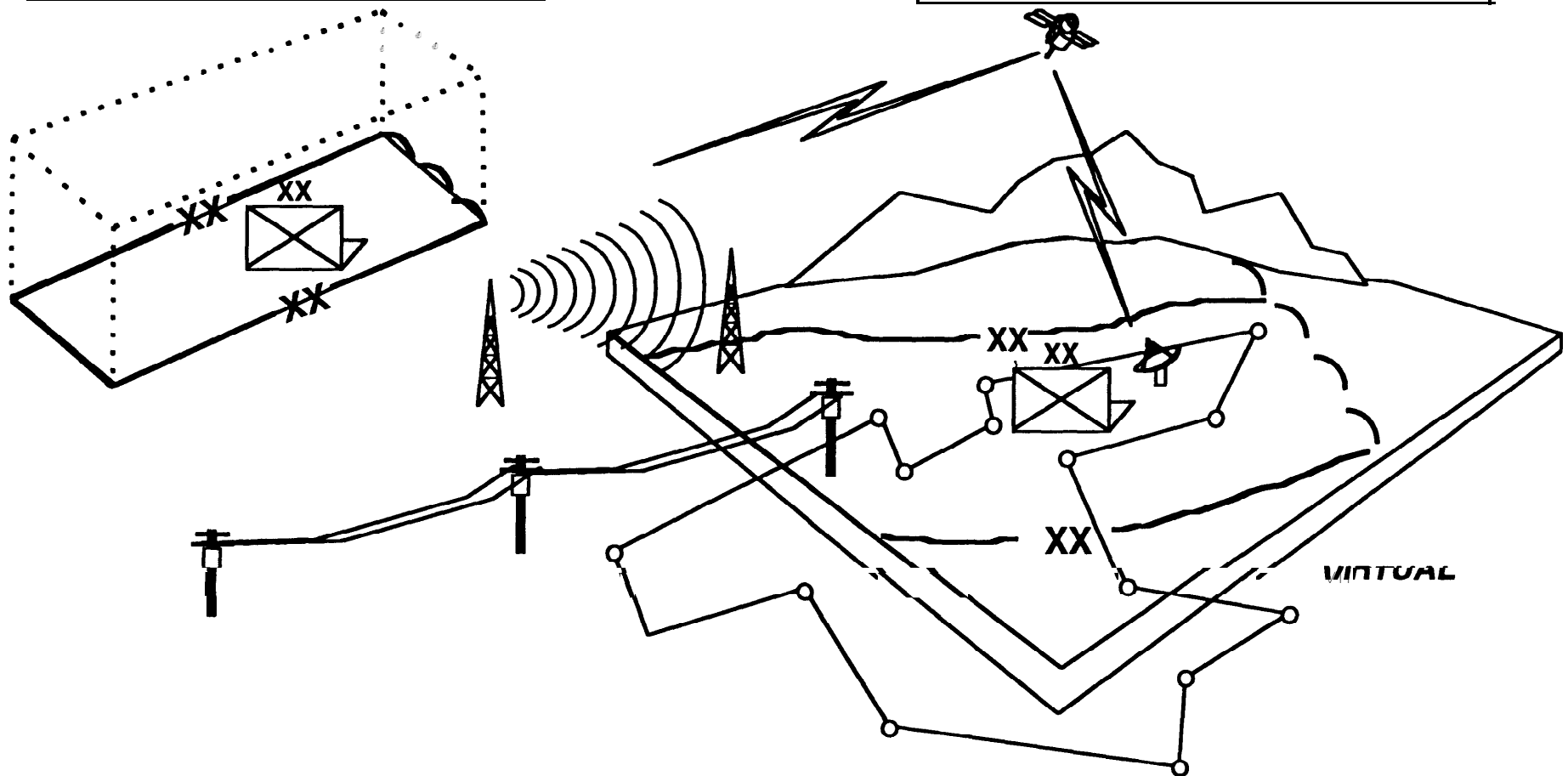IW → ATTACK

IW → PROTECT

06U747 6
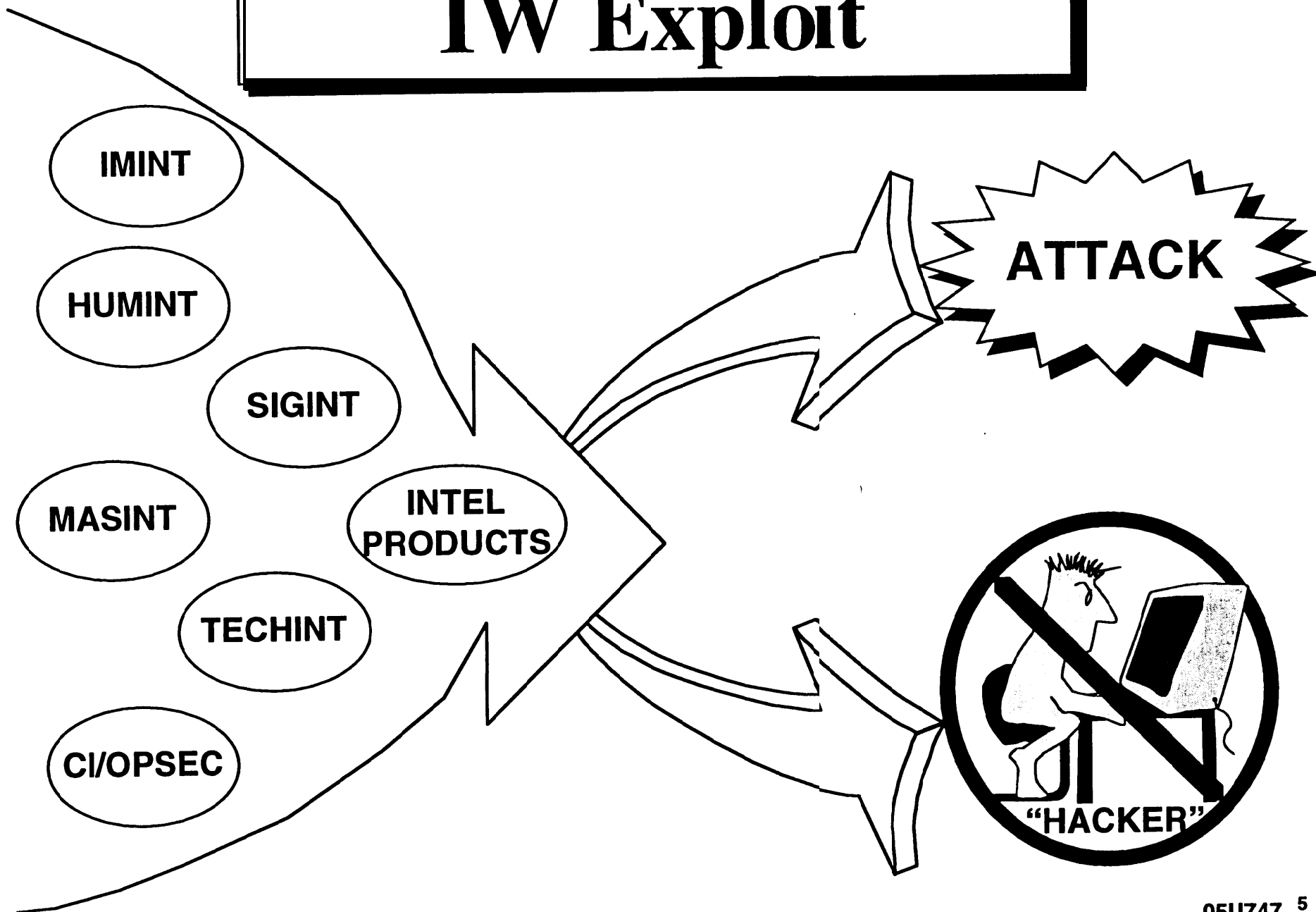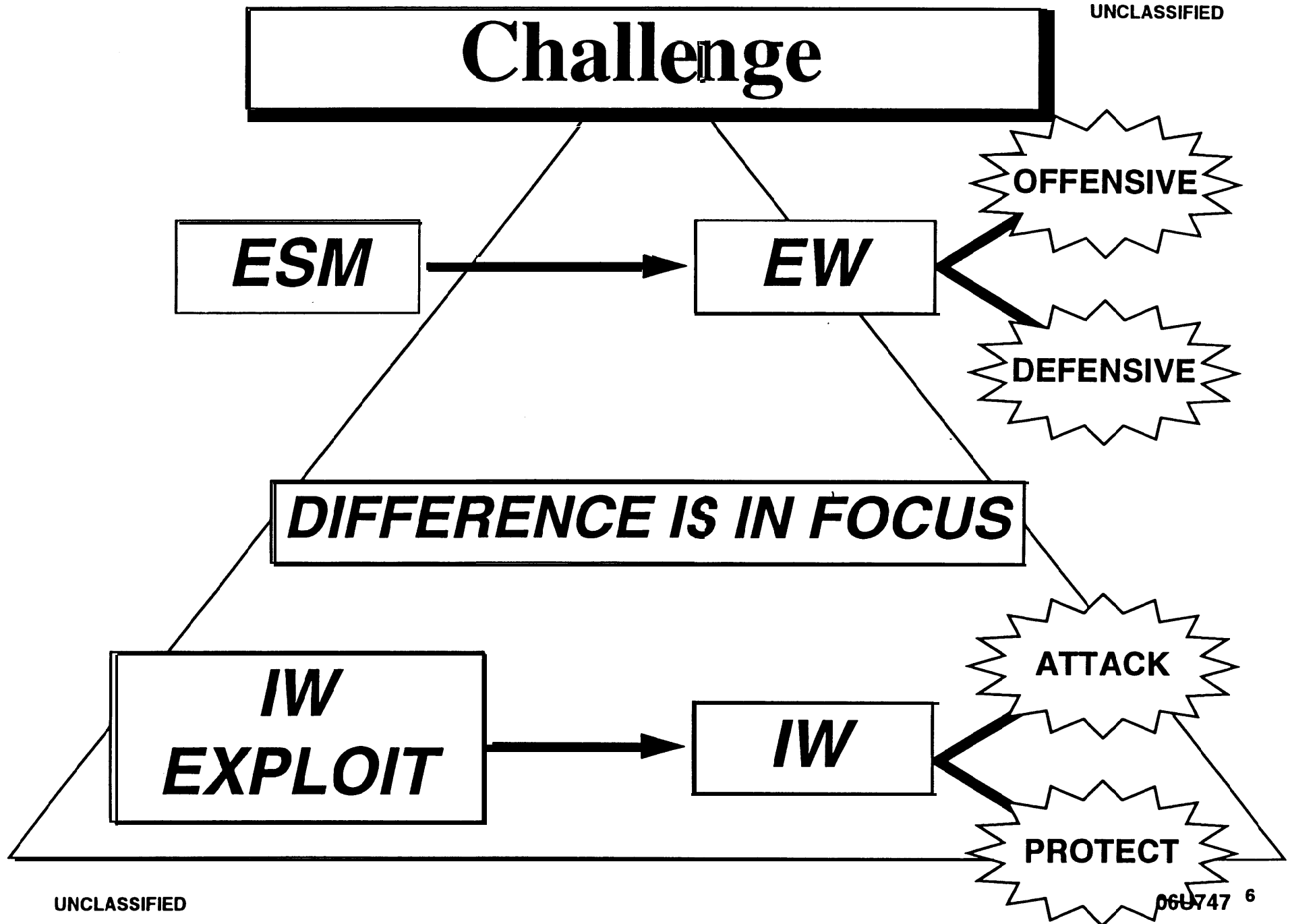
Evolving Battlespace

MANEUVER BATTLESPACE   *vs.*   **INFORMATION BATTLESPACE**
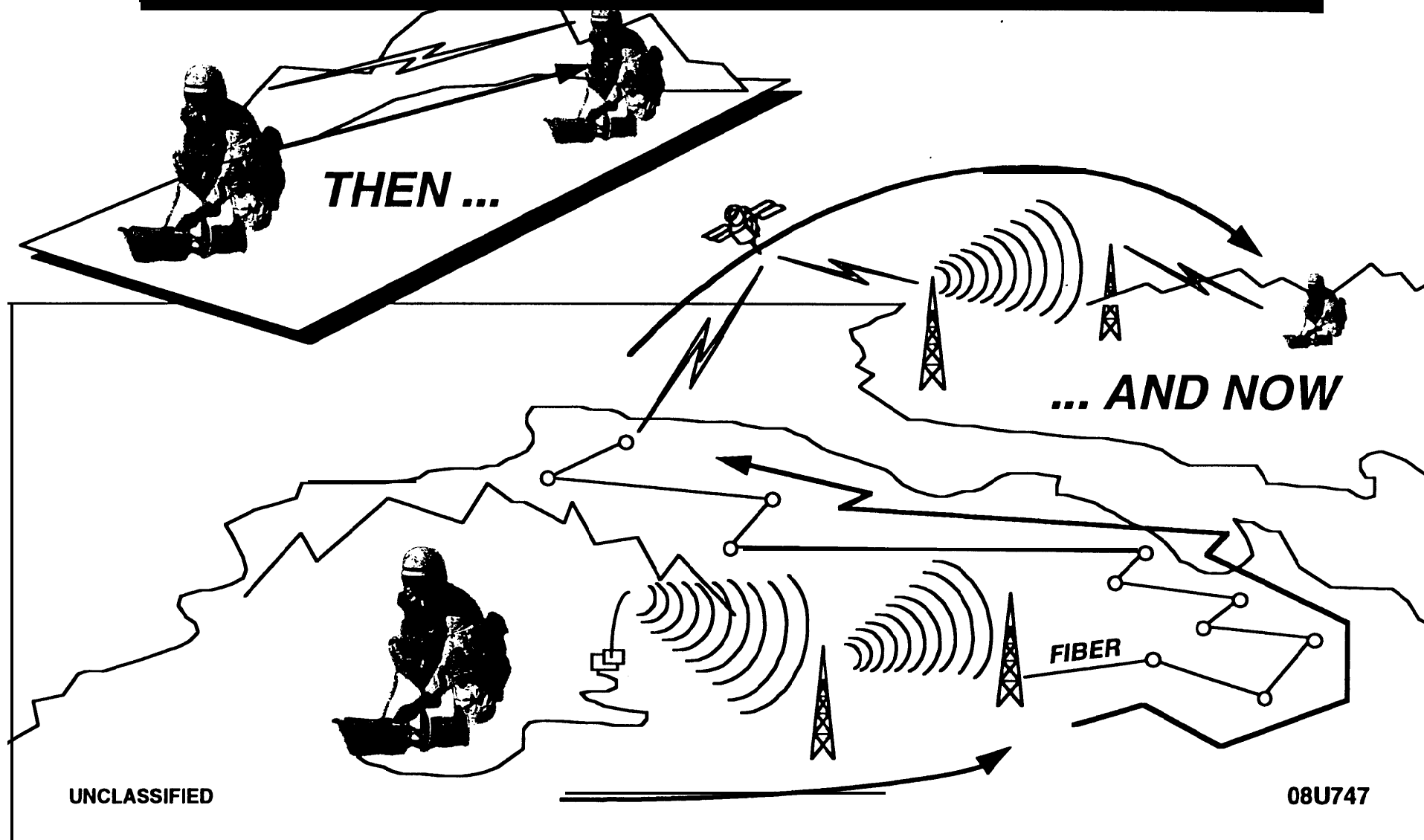
TRADITIONAL BOUNDARIES ARE TRANSPARENT
TO DIGITAL TECHNOLOGY APPLICATIONS

07U747 7

Electronic Templating (Profiling)

THEN ...

... AND NOW

FIBER

CHALLENGE

INTEL XXI

VISION
FOCUS
PRIORITIES
TECHNIQUES
METHODS
TECHNOLOGY

HUMINT
SIGINT
IMINT
MASINT
CI/OPSEC
PRODUCTION

CONVENTIONAL
REQUIREMENTS

MRC   MOOTW JOINT

CPX   FTX

BATTLE LAB

IW/C2W
REQUIREMENTS

LETHAL

REVERSE
ENGINEERING

DATA
BASE
BUILD

TECH
TRANSFER

DATA
BASE
ACCESSES

NON-LETHAL

BDA

ELECTRONIC
TEMPLATING

WIRE
LINE OF CODE
CHIP

10SNF747 10
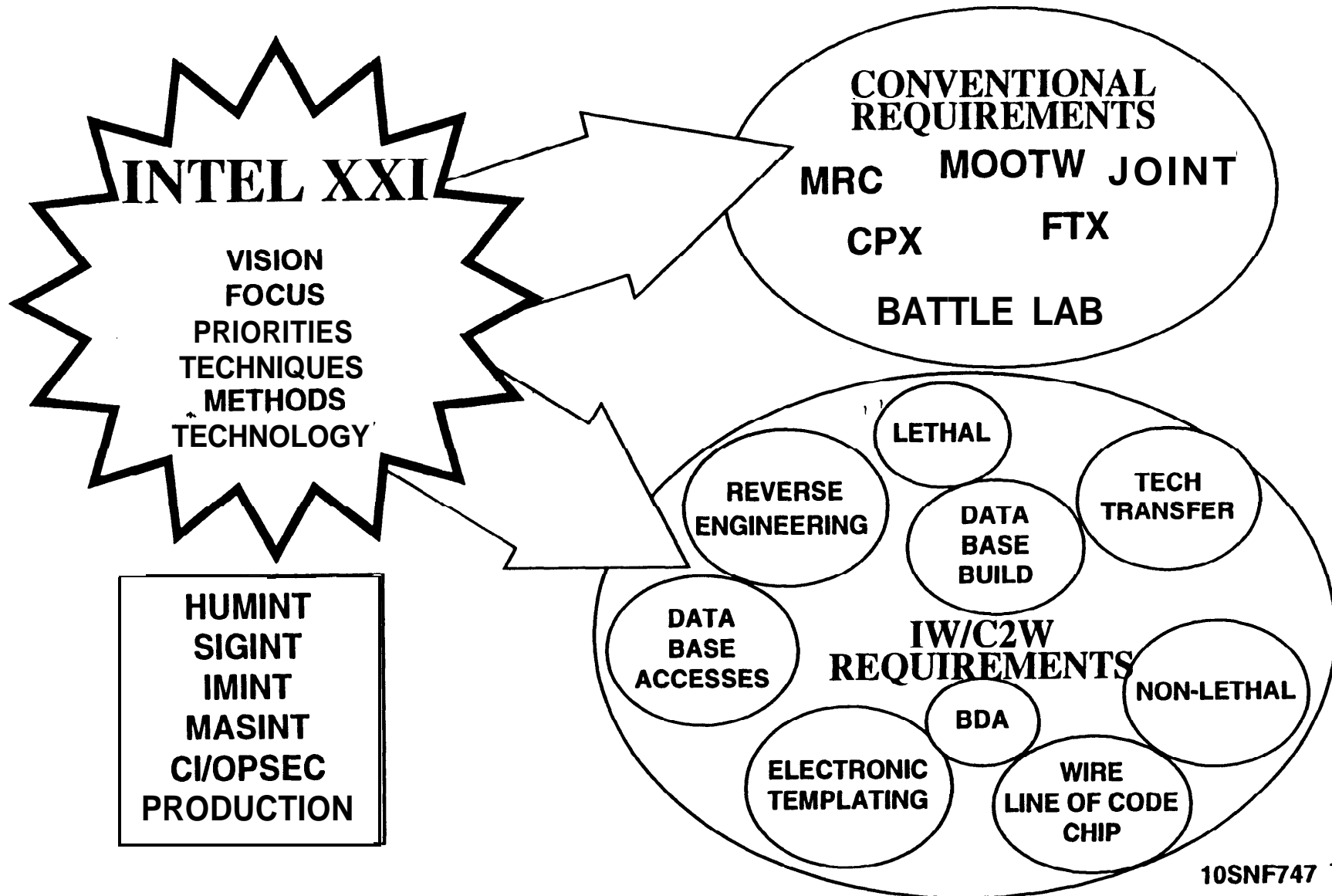
Global Information Environment

- ANALYZE THREAT C3I CAPABILITIES
  - TECHNOLOGY ACQUISITIONS
  - CUSTOMS
  - MOODS
  - VULNERABILITIES
- AI~-BASED DECISION AIDS

TEMPLATE

MODELS
&
SIMULATIONS
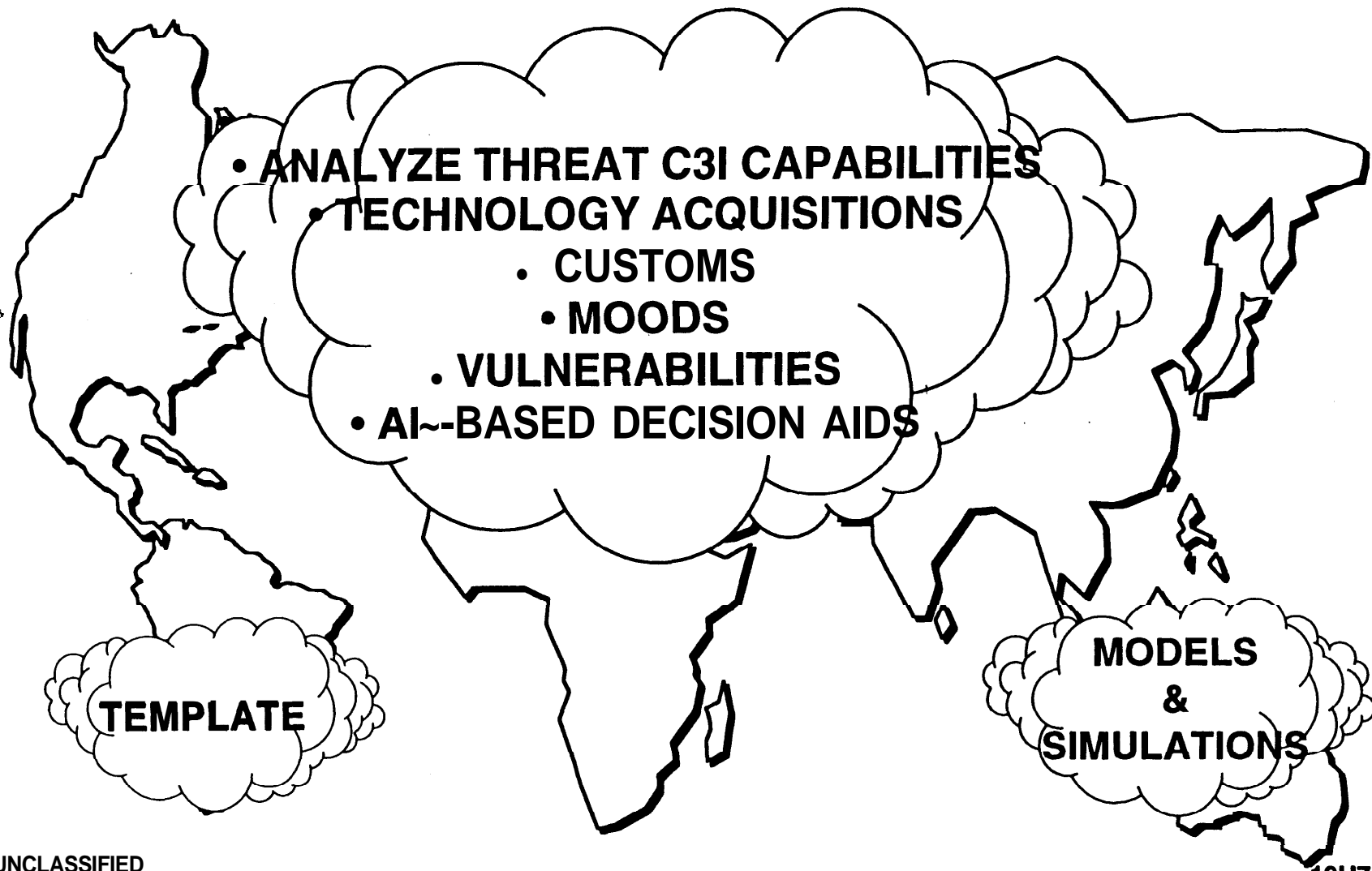
Collection Requirements
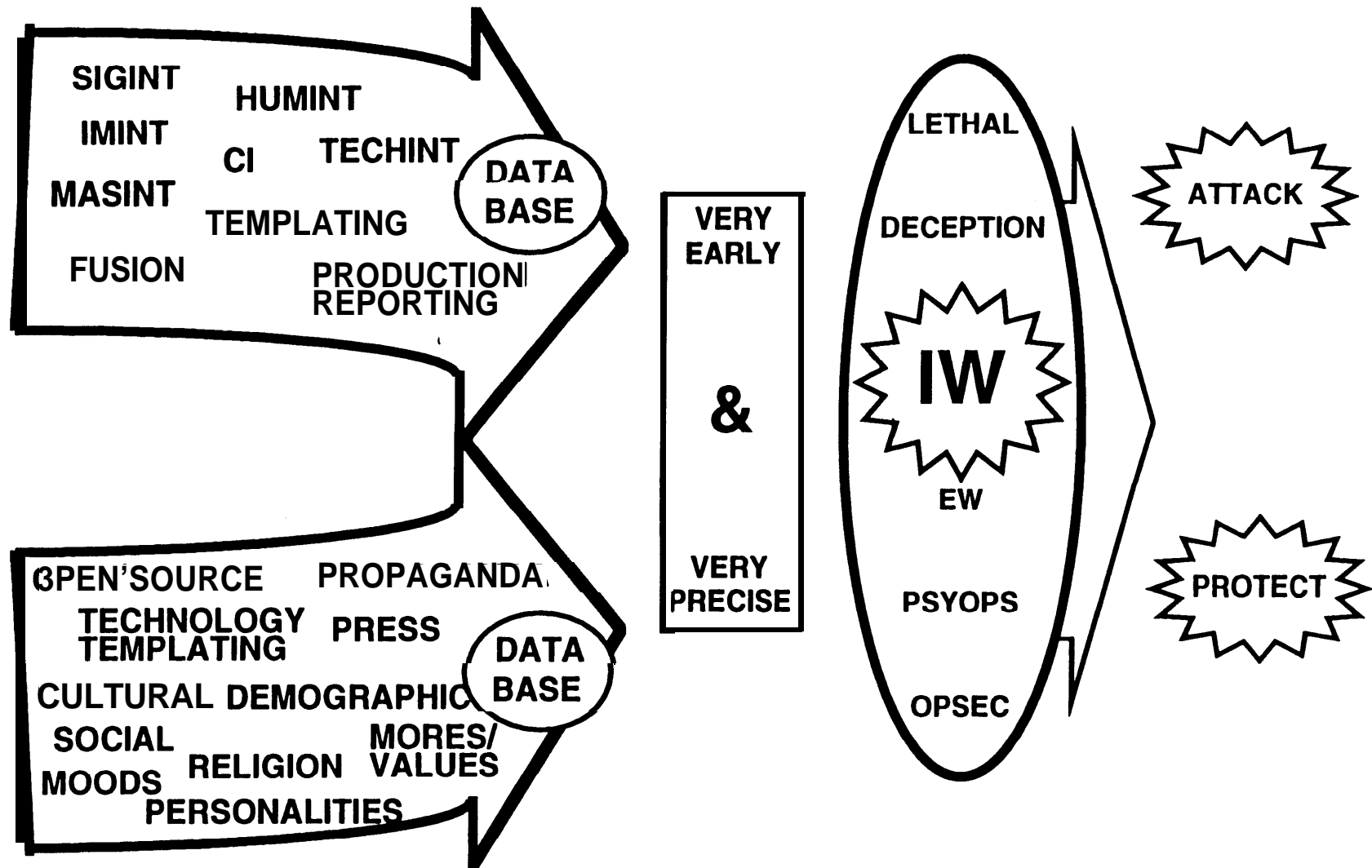
- Direct Intel Gathering to IW Collectables

- Assess Vulnerabilities to IW Attack

- Threat IW Capabilities and Intent

- Measure Effects of Our Attack (BDA)

INTEL IMPERATIVES

SIGINT
HUMINT
IMINT
CI   TECHINT
MASINT
TEMPLATING
FUSION
PRODUCTION
REPORTING
DATA BASE

OPEN'SOURCE   PROPAGANDA
TECHNOLOGY   PRESS
TEMPLATING
CULTURAL DEMOGRAPHIC
SOCIAL   MORES/
MOODS   RELIGION   VALUES
PERSONALITIES
DATA BASE

VERY
EARLY

&

VERY
PRECISE

LETHAL
DECEPTION

IW

EW

PSYOPS

OPSEC

ATTACK

PROTECT

INFO SUPPORT TO IW
(EXPLOIT)

INFORMATION AGE REQUIREMENTS

WARP

MACH

INDUSTRIAL AGE SYSTEMS